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METHODS AND APPARATUS FOR CONTROLLING DEVICES WITHIN STORAGE NETWORKS

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ABSTRACT OF THE DISCLOSURE

Mechanisms and techniques provide a management station which includes a management application that can control zoning within devices manufactured or provided from different vendors within a network, such as a data storage network. The 10 management application can receive a generic zone control command from a user to control zoning within a device in the network. The management application translates the zone control command to one or more vendor specific device zone control commands in a vendor specific device command set that is specifically designed to control zoning within devices from a specific vendor. To perform the translation, the management 15 application can identify the vendor of one or more devices that are affected by the zone control command. Based in this identification, the management application can select an appropriate vendor specific device command set that contains vendor specific zone control commands. The generic zone control command can then either be used as a call directly into the vendor specific command set if the vendor specific command is the same 20 format as the generic zone control command, or, the generic zone control command can be mapped using a command mapping to the vendor specific device command. Once mapped, the management application can perform the vendor specific device commands to control zoning in the devices in the network. Vendor specific device command sets may be dynamically linked libraries which can be loaded into memory as needed. A 25 typical device in which zoning can be controlled in this manner is a data storage network switch that channels data between servers and/or data storage systems in a data storage network.